

## ABSTRACT

### METHOD AND KIT FOR RAPID CONCURRENT IDENTIFICATION AND ANTIMICROBIAL SUSCEPTIBILITY TESTING OF MICROORGANISMS FROM BROTH CULTURE

A Method and Kit for performing concurrent identification testing and antimicrobial susceptibility testing from broth culture (90) are described. Broth (82) incubation is generally 4 to 6 hrs providing adequate numbers of microorganisms for inoculating a multi-chambered plate (80) comprising enriched, differential, selective, differential-selective, single-purpose and susceptibility media. Several dilutions are prepared from the cultured broth, for inoculation of the kit plate (80). The more dilute concentration (140) produces individual colonies of microorganisms, for identification testing. This isolation makes an initial isolation step unnecessary. The heavier concentration dilution (96) provides inoculation for antimicrobial susceptibility tests and other identification tests. In addition, antimicrobial susceptibilities are shown valid even when several different microorganisms coexist in the same test chamber. The method is fast for bacteria, providing identification and susceptibility data in 24hrs. The kit is complete, except for an incubator and microscope. The method is simple to perform and can be utilized almost anywhere.